

**CLAIMS:**

1. Delivery assembly for use in surgery, comprising a surgically implantable construct containing viable cells,  
5 a support on which said construct is removably carried and holding means for releasably holding said construct on said support, wherein said support is selected from
  - (i) a tube having an interior surface on which said construct is held, and
  - 10 (ii) a rod having an exterior surface on which said construct is held.
2. Delivery assembly according to claim 1, wherein  
15 said holding means is suction holding means comprising one or more apertures in said surface on which said construct is held.
3. Delivery assembly according to claim 1, wherein  
20 said holding means comprises one or more inflatable members inflatable to grip said construct.
4. Delivery assembly according to any one of claims 1 to 3, wherein said surgically implantable construct is a tube.  
25
5. Delivery assembly according to any one of claims 1 to 4, wherein said surgically implantable construct is of natural origin.
- 30 6. Delivery assembly according to any one of claims 1 to 4, wherein said surgically implantable construct is artificial.

7. Delivery assembly according to any one of claims 1 to 6, wherein said support is flexible and adapted to maintain a bent shape to which it is brought.

5

8. A method of surgery wherein a delivery assembly according to any one of claims 1 to 7 is employed to bring said construct to its implantation site and hold it in position at said site.

10

9. A method according to claim 8, wherein said delivery assembly is controlled in position by a computer-controlled robotic device.